

SUBKHANKULOV, N.A.

One variant of the proof of the Goldbach-Vinogradov theorem. Uch.zap.
Tadzh.un. 18:39-43 '58. (MIRA 14:7)
(Numbers, Theory of)

SU. PIKHAJKULOV M. A.

PLANS I SOZE EKSPONATSION SOV/4796

Academy nauk Uzbekoy SSR, Tashkent. Institut matematiki i mekhaniki
 Matematika i mekhanika v Uzbekistone v Uzbekistone (Research in
 Mathematical Analysis and Mechanics in Uzbekistan) Tashkent, Izdatel'stvo
 Uzbekskoy SSR, 1960. 259 p. Errata slip inserted. 1,000 copies printed.
 Publishing Agency: Akademiya nauk Uzbekskoy SSR. Institut matematiki i mekhaniki
 imeni V.I. Romanovskogo.

Reprints: I.S. Arshady, Corresponding Member, Academy of Sciences U.S.S.R.; Ed.:
 I.O. Geyrovskaya; Tech. Ed.: Z.P. Gor'kovaya.

PURPOSE: This collection of articles is intended for mathematicians, mechanics, and
 engineers and students taking advanced courses in divisions of physics and
 mathematics at universities and pedagogical schools of higher education.

CONTENTS: This collection contains 17 articles dealing with the results of investiga-
 tions on the theory of integrals, differential equations in mathematical
 physics and mechanics, the theory of means, and the problem of the best approx-
 imation of functions. Individual articles deal with the theory of means on a
 rotating disk, transverse vibrations of beams, motion of an elastic body to a
 corner, thermal stress, etc. No personalities are mentioned. References
 accompany 14 articles.

6. Debrayana, Ye.M. and L.Z. Seduzov. On the Unsteady Flow of a Viscous Incompressible Liquid Close to a Rotating Disk	86
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C 111/ C 333

AUTHORS: Subkhankulov, M. A., Mukhtarov, S. N.

TITLE: The Representation of a Number as Sum of two Numbers Which are Free of Squares

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1960, No.4, pp. 3-10

TEXT: In his former paper (Ref.1) the authors obtained the series expansion of

$$\psi(z) = \sum_{m=1}^{\infty} \mu^2(m) z^m :$$

$$(1) \sum_{m=1}^{\infty} \mu^2(m) z^m = \frac{6}{\pi^2} \sum_{k=1}^{\infty} \frac{\mu(k_1 k_2) k_2^2}{\varphi_2(k)} \sum_{d/k} \mu\left(\frac{k}{d}\right) \frac{dz^d}{1-z^d} ,$$

where $k = k_1 k_2^2$, $(k_1, k_2) = 1$, $|z| < 1$, $\mu(k)$ is the Möbius function, $\varphi_2(k)$ the Liouville function. In the present paper the authors give an asymptotic formula for the number of solutions of the equations
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The Representation of a Number as Sum of two Numbers Which are Free of Squares

$$N = Q_1 + Q_2, \quad N = Q_1 - Q_2, \quad Q_1 Q_2 < X,$$

where Q is a number free of squares.

Lemma: Let $A(N, m, l)$ be the number of the integers $\leq N$ free of squares in the series $ma + 1, 1 \leq m$. It is

$$(2) \quad A(N, m, l) = \frac{6N m \varphi((m_1, l)) \mu^2((m, l))}{\pi^2 \varphi_2(m)(m_1, l)} + O\left(\frac{N^{\frac{1}{2} + \varepsilon} (m, l)}{m^{\frac{1}{2} + \varepsilon}}\right),$$

where m_1 is the product of all prime divisors of m which occur in m in the first power; (m, l) is the greatest common divisor by m and l . The proof is based on (1).

Theorem: Let N be an arbitrary natural number $> N_0$ and $I(N)$ the number of the solutions of $N = Q_1 + Q_2$. Then it is

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The Representation of a Number as Sum of two Numbers Which are Free of Squares

$$I(N) = \frac{6N}{\pi^2} \prod_p \frac{p^2-1}{p} \prod_{p|N_2} \frac{p^2-1}{p^2-2} + O(N^{2/3+\epsilon})$$

where $N = N_1 N_2$, $(N_1, N_2) = 1$, N_1 is the product of all prime divisors of N which are contained in N in first power.

The asymptotic formula for the number of solutions of $n = Q_1 - Q_2$, $Q < X$, is the same, however, N must be replaced by X .

There are 2 Soviet references.

ASSOCIATION: Institut matematiki imeni V. J. Romanovskogo AN Uz
SSR (Institute of Mathematics imeni V. J. Romanovskiy
of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: January 25, 1960

Card 3/3

SUBKHANKULOV, M.A.

Direct and inverse additive problem and its generalization. Izv.
AN Uz. SSR. Ser. fiz.-mat. nauk no.5:3-10 '60. (MIRA 14:1)

1. Institut matematiki imeni V.I. Romanovogo AN UzSSR.
(Sequences (Mathematics))

SUBKHANKULOV, M.A.; MOYSHEZON, B.G.

Representation of a number as the sum of a degree and of a
number free from a degree. Izv. AN Uz. SSR. Ser.fiz.-mat. nauk
no.6:3-16 '60. (MIRA 14:3)

1. Institut matematiki im. V. I. Romanovskogo AN UzSSR.
(Numbers, Theory of)

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C 111/ C 333

AUTHOR: Subkhankulov, M. A. (Stalinabad)

TITLE: Tauberian Theorems With Remainder Term

PERIODICAL: Matematicheskiy Sbornik, 1960, Vol.52, No.3, pp.823-846

TEXT: Generalizing the results of A. G. Postnikov (Ref.1,2) and thereby the well-known Tauberian theorem of Hardy-Littlewood (Ref.5,6) the author proves 15 Tauberian theorems for Dirichlet series and integrals.

Theorem 1: The series $f(s) = \sum_{m=0}^{\infty} b_m e^{-\lambda_m s}$, $\lambda_m \geq 0$, $s = \sigma + ti$,

is assumed to converge absolutely for $\text{Re } s > 0$. Let the boundary of the domain G near the point $s = 0$ be given by $|t| = \varphi(\sigma)$, $\varphi(0) = 0$, $\sigma \leq |t|$. In G let $f(s) = O(|s|^{-\alpha} \psi(\frac{1}{\sigma}))$, $\alpha \geq 0$.

Let $\sum_{m=0}^{\infty} |b_m| e^{-\frac{\lambda_m}{k}} \min(1, (\varphi(\frac{1}{k})(\lambda_m - k))^{-2}) =$

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Tauberian Theorems With Remainder Term

$$= M(k) = \begin{cases} O(k^\alpha \psi(k)), & \alpha > 0 \\ O(\psi(k) \ln k), & \alpha = 0 \end{cases}$$

Then it is

$$\sum_{\lambda_m \leq k} b_m = O(M(k)) + \begin{cases} O(k^\alpha \psi(k)), & \alpha > 0 \\ O(\psi(k) \ln k), & \alpha = 0 \end{cases} = \begin{cases} O(k^\alpha \psi(k)), & \alpha > 0 \\ O(\psi(k) \ln k), & \alpha = 0, \end{cases}$$

where $\psi(x)$ is a function of positive sign which varies more slowly than an arbitrary power of x .

Theorem 2: Let $\psi_3(x)$ be a nonincreasing and $\psi_1(x), \psi_2(x)$ a nondecreasing function of positive sign which vary more slowly than an arbitrary power of x . Let the boundary of the domain G near $z = 1$ be

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Tauberian Theorems With Remainder Term
 given by

$$|\theta| = (1-r)^{1/\beta} \psi_2\left(\frac{1}{1-r}\right), \beta \geq 1.$$

The series

$$f(z) = \sum_{m=0}^{\infty} b_m z^m, z = r e^{i\theta}, |b_m| < c m^{\gamma} \psi_1(m), 0 \leq \gamma < 2,$$

is assumed to converge for $|z| < 1$. In G let

$$f(z) = o\left(|1-z|^{-\alpha} \psi_3\left(\frac{1}{1-r}\right)\right), \alpha \geq 0.$$

Then it is

$$\sum_{m \leq k} b_m = o(k^{\gamma + \frac{1}{\beta}} \psi_1(k) \psi_2^{-1}(k)) + o(k^{\alpha} \psi_3(k)).$$

Theorem 8: Let $\psi_1(x), \psi_2(x)$ be monotone functions which vary more slowly than any power of x . The series

$$f_1(z) = \sum_{m=0}^{\infty} a_m z^m, |a_m| < c m^{\alpha - \frac{1}{2}} \psi_1(m), \alpha > \frac{1}{2} \quad z = r e^{i\theta}$$

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Tauberian Theorems With Remainder Term

$$f_2(z) \sum_{m=0}^{\infty} b_m z^m, \quad |b_m| < C_1 m^{\gamma - \frac{1}{2}} \psi_2(m), \quad \gamma > \frac{1}{2}$$

converging for $|z| < 1$ are assumed to admit in $0 < r < 1$,
 $|\varphi| < \Delta = \text{const}$ the estimations

$$f_1(z) = O((1-r)^{-\alpha} \psi_1(\frac{1}{1-r}))$$

$$f_2(z) = O(|1-z|^{\gamma} \psi_2(\frac{1}{1-r})).$$

Then it is

$$\sum_{m \leq k} a_m b_m = \begin{cases} O(k^{\alpha + \gamma - 1} \psi_1(k) \psi_2(k) \ln k), & \gamma \neq 1 \\ O(k^{\alpha} \psi_1(k) \psi_2(k) \ln^2 k), & \gamma = 1 \end{cases}$$

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Tauberian Theorems With Remainder Term

Theorem 9: Assume that the functions

$$f_1(z) = \sum_{m=0}^{\infty} a_m z^m \quad \dots \quad \sum_{m=0}^{\infty} b_m z^m = \sum_{m=0}^{\infty} c_m z^m \quad \text{and}$$

$$f_2(z) = \sum_{m=0}^{\infty} d_m z^m \quad \text{satisfy all the conditions of theorem 8.}$$

Then it is

$$\sum_{m \leq k} a_m d_m = \sum_{m \leq k} b_m d_m + \begin{cases} O(k^{\alpha+\gamma-1} \psi_1(k) \psi_2(k) \ln k), & \gamma \neq 1 \\ O(k^{\alpha} \psi_1(k) \psi_2(k) \ln^2 k), & \gamma = 1. \end{cases}$$

Theorem 12: The integral

$$f(s) = \int_0^{\infty} e^{-us} v(u) du, \quad s = \sigma + ti,$$

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Tauberian Theorems With Remainder Term

is assumed to converge absolutely for $\text{Re } s > 0$ and to have for $|t| < \Lambda$, $0 < \sigma < \dots$; the estimation

$$f(s) = O(\sigma^{-\alpha} \psi_3(\frac{1}{\sigma})), \alpha \geq 0;$$

Moreover let $b(u) = O(u^\delta \psi_1(u))$. Then it is

$$\int_0^x b(u) du = O(x^\delta \psi_1(x)) + O(x^\alpha \psi_3(x) \ln x).$$

Here ψ_1 and ψ_3 are defined as in theorem 2; the estimations O depend on Λ .

The author mentions K. V. Korozdin. There are 7 references: 3 Soviet, 2 English, 1 German and 1 Swedish.

SUBMITTED: March 11, 1959

Card. 6/6

SUBKHANKULOV, M.A.

Remaining term in the Tauberian theorem of Hardy-Littlewood-
Carleman. Izv. AN SSSR. Ser. mat. 25 no.6:925-934 N-D '61.
(MIRA 14:11)

(Series)
(Functions, Continuous)

SUBKHANKULOV, M.A.

Tauberian theorems for Dirichlet series and integrals. Trudy
AN Tadzh. SSR 109:25-36 '61. (MIRA 15:10)
(Series, Dirichlet's) (Integrals, Generalized)

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S/517/61/064/000/005/006
D299/D301

16,4000

AUTHOR: Subkhankulov, M. A.

TITLE: On general Tauberian theorems with a remainder

SOURCE: Akademiya nauk SSSR. Matematicheskiy institut. Trudy.
v. 64, 1961, 239-266

TEXT: The remainder is calculated in the well-known Tauberian theorem of M. V. Keldysh (given in the references); the theorem itself is stated in a more general form. Proofs are given to 2 other fairly general Tauberian theorems with remainder, for the Laplace-Stieltjes transform. The obtained results are useful for the spectral theory of differential and functional equations, as well as for the theory of numbers, probability theory, etc. Thus, the accuracy of eigenvalue-estimates of various classes of differential equations depends mainly on the accuracy with which the remainder is estimated in Keldysh's theorem. First, several lemmas are proved. Theorem 1: Let the functions $f(u)$, $\psi(u)$ and $\varphi(u)$, defined for $u \geq C$, bounded for $u \leq h$, be positive and non-decreasing for $u \geq h$;

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D299/DJ01

On general Tauberian ...

these functions satisfy further conditions and the Laplace-Stieltjes integrals converge for $\sigma > 0$. Then, from the estimate

$$F_2(\sigma) = F_1(\sigma) \{1 + o(r(\sigma))\}, \quad \sigma \rightarrow 0 \tag{16}$$

or

$$F_2(\sigma) = F_1(\sigma) + o\left\{f\left(\frac{1}{\sigma}\right)\varphi\left(\frac{1}{\sigma}\right)r(\sigma)\right\}, \quad \sigma \rightarrow 0 \tag{17}$$

follow the estimates:

$$1. \int_0^x t^\beta (x-t)^m f(t) d\psi(t) = \int_0^x t^\beta (x-t)^m f(t) d\varphi(t) \left\{1 + o\left[\left(\frac{1}{\ln x}\right)^{m+1}\right]\right\}.$$

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On general Tauberian ...

$$2. \int_0^x t^\beta (x-t)^\alpha f(t) d\psi(t) = \int_0^x t^\beta (x-t)^\alpha f(t) d\varphi(t) \times \\ \times \left\{ 1 + O \left[x^{-\frac{\delta(m+1)}{\delta+1}} \right] + O \left[\frac{x^{-\frac{m\delta}{\delta+1}}}{f(x)\varphi(x)} \right] \right\},$$

The obtained estimates are the best. In the particular case $f(t)=1$, $m = \beta = 0$, one obtains

$$\psi(x) = \varphi(x) \left[1 + O \left(\frac{1}{\ln x} \right) \right], \text{ if } r(\sigma) = \sigma^\delta, \delta > 0,$$

and

$$\psi(x) = \varphi(x) \left[1 + O \left(x^{-\frac{\delta}{\delta+1}} \right) + O \left(\frac{1}{\varphi(x)} \right) \right], \text{ if } r(\sigma) = e^{c\sigma^{-\delta}}, \delta \leq 1 \quad \checkmark \\ (32)$$

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On general Tauberian ...

Further, complex Tauberian theorems are considered; in the complex theorems, the remainder has better order than in the real theorems. For convenience, only a single complex theorem is proved. The theorem gives the estimate

$$\int_0^x (x-u)^m d\psi(u) = \int_0^x (x-u)^m d\varphi(u) + O\{x^{-1}\varphi(x)[x^{\omega_{L_1}-1}(x)]^{m+1}\} +$$

$$+ O\{\max(x^{\theta+m}L_2(x), [x^{-\omega_{L_1}}(x)]^{\theta-m}L_3(x), x^{m-\theta}L_3(x))\}$$

From the first two theorems one obtains a third theorem which gives the estimate

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On general Tauberian ...

$$\int_0^x (x-u)^m d\psi\left(\frac{1}{u^\sigma}\right) = \int_0^x (x-u)^m d\psi\left(\frac{1}{u^\sigma}\right) \left\{ 1 + O\left[\left(\frac{1}{\ln x}\right)^{m+1}\right] \right\} \quad (53)$$

(which cannot be improved). The fourth theorem involves the integral

$$F(x) = \int_0^\infty \frac{d\psi(u)}{(u+x)^\rho}, \quad \rho > 0 \quad (65)$$

and the series

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On general Tauberian ...

$$S(x) = \sum_{n=1}^{\infty} \frac{a_n}{(\lambda_n + x)^\rho} \quad (66)$$

where λ are complex numbers; it yields the estimate

$$\sum_{n=1}^x a_n = \varphi(x) \left[1 + o\left(\frac{1}{\ln x}\right) \right], \quad x \rightarrow \infty$$

There are 16 references: 8 Soviet-bloc and 8 non-Soviet-bloc. The references to the English-language publications read as follows: J. Korevaar. An estimate of the error in Tauberian theorems for

Card 6/7

SABAYEV, G.; MUBKHANKULOV, M.A.

Asymptotic formula for two additive problems. Uch. zap. Tadzh. un.
26 no.1:49-68 '63. (MIRA 18:2)

SUBKHANKULOV, M.A.

Tauberian theorem with a residual member for a Stieltjes transformation. Uch. zap. Tadzh. un. 26 no.3:87-89 (89).

(MIPA 18:2)

SUBKHANKULOV, M.G.

Some typological differences in the speed and the acceleration of the industrial training of student universal lathe turners. Vop. psikhol. no.4:5C-60 J1-Ag '64.

(MIRA 17:11)

1. Kazanskiy universitet.

SUBKHANKULOVA, F.B.

Changes in the calcium and albumin content of rabbits with
transplanted osteogenic sarcoma. Vop. biol. i kraev. med.
no.4:433-435 '63. (MIRA 17:2)

KARIMOV, Z.N.; SUBKHANKULOVA, F.B.

Content of protein fractions in the blood serum in rabbits with
a transplanted osteogenic sarcoma. Trudy Inst. kraev. eksper. med.
no.5:188-191 '63. (MIRA 17:6)

SUBKHANVERDIKHANOV, E.A., inzh.

Performance of the supports of the overhead contact network on
the Apsheron Peninsula. Transp. stroi. 14 no 2:44-46 F '64.
(Mina 17:4)

С У Б К И Я Н В Е Р Д И К И Я Н О В , У . В .

PHASE I BOOK EXPLOITATION SOV/2925

1: (8) Azerbaijanliki na. ino-teleovatel'aki inatitut nefte-
Petrabatayayatchey proshlennosti (sani V. V. Elybyshevi.

Sbornik "Ridov, VV, 6. (Collection of Works, No. 2) Baku,
Inzhenerstat, 1956. 313 p. Errata slip inserted. 500
copies printed.

Additional Sponsoring Agency: Azerbaydzhan. Ministerstvo nefyanoy
promyshlennosti.

Ed. of Publishing House: T.B. Altun; Editorial Board: V.S. Aliyev,
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Sciences, A.M. Kiliyev, Doctor of Chemical Sciences, M.M. Indakov,
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Chemical Sciences, P.G. Sakhayeva, Candidate of Technical Sciences, A.I.
Sciences, A.M. Levshina, Candidate of Chemical Sciences, Candidate
of Technical Sciences, M.M. Melik-Zade, Candidate of Chemical
Sciences.

PURPOSE: This collection of articles is intended for chemical
engineers, technicians and refiners concerned with advanced
methods of petroleum conversion.

COVERAGE: The collection presents an analysis of different
types of waxes extracted in Azerbaydzhan and of the products
recovered from these waxes through petrol and conversion
processes. The dewaxing, desulfurizing and desulfurizing of crudes
is described and the suitability of the results of catalytic
recovery of diesel fuel in discussed. Results of catalytic
cracking performed over a fluid catalytic bed produced by two-
stage catalytic cracking are analyzed. Attrition and deactive-
tion of catalysts as well as catalyst circulation in a hyper-
flow system are described. Various lube oil additives and
the production of different types of oils and of diesel fuels
are outlined. References accompany individual articles.

SOV/2925

Collection of Works, No. 2

Yakovlev, V. D. and M.I. Pervova. Methodology of Analyzing 271

Crude Oil Additives

Melik-Zade, M.M. and G.M. Indakov. Topics of Appraising the Str-
ucture of Additive ASHIL-7 in Diesel Oil by Means of Radioactive 279

Isotopes

Safonov, V. A., M.M. Indakov, I.S. Shvachov, S.M. Markazhan, and
B.I. Baklanov. Mastering the Technique of Thermal Conversion of
Petroleum-Lubricating Sands of Kirovskinsk Carried out Over a Fluidized 288

Bed

Indakov, M.M., M.F. Zhadanov, R.F. Panlyova, and V.A. Krasnozayeva.
Treatment of Distillates of Automobile Lubrication Oils 10 and 18 306

With Spent Sulfuric Acid From Alkylation

Isayev, I.M. and G.M. Atayev. Systems for Control by "Hyper- 318

Flow Transport

Card 7/8

MELIK-ZADE, M.M.; KHANLAROVA, A.G.; MUSAYEV, M.R.; SUBKHANVERDIKHANOVA,
V.V.; FARADZHEV, Kh.F.

Radioisotope evaluation of the stability of the AzNII-7 additive
in Diesel oil. Sbor.trud.AzNII NP no.2:279-287 Ag '58.
(MIRA 12:6)

(Diesel fuels--Additives)
(Radioisotopes)

MELIKZADE, M.M.; SUBKHANVERDIKHANOVA, V.V.

Infrared spectroscopic and electron microscope methods in the study of petrochemical products [in Azerbaijani with summary in Russian]. Azerb. neft. khoz. 37 no.7:34-36 J1 '58.(MIRA 11:9)
(Petroleum products--Spectra) (Electron microscopy)

MELIK-ZADE, M.M.; KHANLAROVA, A.G.; SUBKHANVERDIKHANOVA, V.V.; FARADZHEV,
Kh.F.; KERIMBEKOV, A.V.

Physicochemical investigation of dispersing and stabilizing prop-
erties of some additives. Sbor.trud.Az NII NP no.4:191-200 '59.
(MIRA 15:5)

(Lubrication and lubricants--Additives)

KHANLAROVA, A.G.; MELIK-ZADE, M.M.; FARADZHEV, Kh.F.; SUBKHANVERDIKHANOVA,
V.V.; KHANLAROV, G.G.

Using tagged atoms for determining the filming effect of additives
in lubricants. Azerb.neft.khoz. 38 no.11:36-39 N '59.
(MIRA 13:5)

(Lubrication and lubricants)

MELIK-ZADE, M.M.; KHANLAROVA, A.G.; SUBKHANVERDIKHANOVA, V.V.;
FARADZHEV, Kh.F.

Use of radioisotopes in evaluating the characteristics of
film formation by oil additives on friction surfaces. Azerb.
khim.zhur. no.2:127-134 '60. (MIRA 14:8)
(Lubrication and lubricants--Additives)

S/081/61/000/013/017/028
B110/B205

AUTHORS: Khanlarova, A. G., Melik-zade, M. M., Faradzhev, Kh. F.,
Subkhanverdikhanova, V. V.

TITLE: Study of the effect of the nature of the oil medium upon the
formation of a protective film by the tagged admixtures
AzHMM-7 (AzNII-7) and ЦИАТИМ-339 (TsIATIM-339)

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1961, 526, abstract
13M302 (Azerb. neft. kh-vo, 1960, no. 7, 34 - 36)

TEXT: The authors studied the formation of anticorrosion films (protective
films) on lead bronze under the action of 3% oil solutions of AzHMM-7
(AzNII-7) and ЦИАТИМ-339 (TsIATIM-339) admixtures tagged with radio-
isotopes. The experiments were carried out with a lead bronze - steel
pair at 180°C within 600 min, using a method previously described (RZhKhim.
1960, No. 13, 54355). D-11 (D-11), CY (SU), and MT-16 (MT-16) oils with
different degrees of purity, fractions of hydrocarbons of different
groups, separated from these oils by adsorption on silica gel, as well as
dinonyl benzene and trihexyl benzene were used as oil media. The data

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Study of the effect...

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B110/B205

presented illustrate the great effect of the chemical nature of the oil medium on the formation of anticorrosion films and on the corrosive wear of the metal. Above all, the data indicate that in naphthene-paraffin fractions and oils the protective film formed is larger and wear is lower than in aromatic hydrocarbon fractions and in pure aromatics. [Abstracter's note: Complete translation.]

Card 2/2

S/123/61/000/008/007/013
A004/A104

AUTHORS: Khanlarova, A.G., Melik-zade, M.M., Faradzhev, Kh.F., Subkhanverdi-
khanova, V.V.

TITLE: Tagged atoms in the investigation of the anticorrosion effect of the
AzNII-7 (AzNII-7) additive

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 8, 1961, 107, abstract
8B803 ("Azerb. neft. kh-vo", 1960, no. 10, 40 - 41)

TEXT: With the aid of the tagged atoms C^{14} and C^{45} the authors studied the
anticorrosion effect of the AzNII-7 additive to diesel oil in a lead bronze-steel
friction couple. It is shown that the mentioned additive is a corrosion inhibitor.
The phenol ring and the metal of the multifunctional AzNII-7 additive participate
in the formation of an anti-corrosion film on the lead bronze. The test results
are compiled in 2 tables. ↓

N. Savina

[Abstracter's note: Complete translation]

Card 1/1

KHANLAROVA, A.G.; MELIK-ZADE, M.M.; FARADZHEV, Kh.F.; SUBKHANVERDIKHANOVA,
V.V.

Study by the tagged atoms method of the dynamics of the formation of
a protective film on metals with Az NII-7 and TSIATIM-339 additives.
Azerb. neft. khoz. 39 no.1:39-41 Ja '60. (MIRA 14:8)
(Corrosion and anticorrosives)

VELKOV, A.; TSVETKOV, V.; SUBKOV, R.

Efficiency of industrial heating systems. Izv Inst energ
BAN 5:65-127 '63.

DUNGH, G.L.

Testing of polymers in Novosibirsk. (copy 10/11/62) (MIRA 17:11)

6 (7)

SOV/111-59-10-14/23

AUTHOR: Suboch, G.P., Chief Engineer, and Shchekin, G.A., Chief

TITLE: Operation of Telegraph Communications Without a Transmission Control Text

PERIODICAL: Vestnik svyazi, 1959, Nr 10, pp 23-24 (USSR)

ABSTRACT: This article deals with several aspects of the system of telegraph transmission without the use of a printed control text in use at the Leningrad Telegraph Office where the system was developed in 1957; the system, state the authors, was approved at conferences of workers of telegraph enterprises of the Russian Federation, and recommended for introduction by the ministries of communications of the RSFSR and USSR. Prerequisites for the changeover to this system, as well as the changeover itself are discussed. It is stated that experience has shown that the absence of the printed control text not only does not lower the quality of telegram processing work, but even make it easier for the telegraphist to attend to the quality of incoming telegrams; at the same time use of this method makes it possible to cut expenses for opera-

Card 1/3

SOV/111-59-10-14/23

Operation of Telegraph Communications Without a Transmission Control Text

tional-technical service and maintenance, as well as release up to 40% of telegraph apparatus for use in developing the telegraph network or replacement of obsolete types of equipment. Conversion to this system at the Leningrad Telegraph Office, state the authors, was done gradually, and on the basis of experience gained from early experimental conversions detailed technical and operational instructions (outlined) were worked out; in this connection reference is made to a previous article (Vestnik svyazi, 1958, Nr 7). Training of telegraphists at the office was also organized. It is stated that checks have shown that there is no substantial difference in the quality of telegrams processed through systems using a control text and those without the control text. Measures taken to raise the quality of telegraph transmission work are discussed; as a result of these measures, it is reported, quality is steadily improving. In conclusion the authors note the inadequacy of the present method of con-

Card 2/3

SOV/111-59-10-14/23

Operation of Telegraph Communications Without a Transmission Control
Text

ducting quality checks, and the need to replace it.
There is 1 photograph.

ASSOCIATION: Leningradskiy telegraf (Leningrad Telegraph Office) (G.P.
Suboch); Proizvodstvennaya laboratoriya (Production Lab-
oratory) (G.A. Shchekin)

Card 3/3

36-57-69-14/16

· Error Evaluation in an Elementary Method (Cont.)

determine the values of the coefficient (expressed in square centimeters per hour), but these values are generally smaller than those obtained by Tseytin's method. On the average, the difference amounts to 1.62 square centimeters per hour. Sychev's method proved to be correct in 74 percent of the cases. These results are given in Table 1. In Table 2 the author compares the results in determining the thermal flow in soil (for July), expressed in calories per square centimeter per minute. In this case data obtained by Sychev's method are generally higher than those obtained by Tseytin's method. The difference amounts to 0.043 calories per square centimeters per minute. Table 3 reflects the results obtained from the determination of the total heat balance (i.e., absorption and release of heat) per 24 hours expressed in calories per square centimeter. Generally Sychev's formula yielded larger figures, with an average difference of 13.2 calories per square centimeter. The article does not define the two methods, but only gives the results. The reader is referred to the bibliography at the end of the article. There are 10 Soviet references. No conclusion is drawn from the comparison of these results.

AVAILABLE: Library of Congress

Card 2/2

KUCHEROV, N.V

X7)

bv

PHASE I BOOK EXPLOITATION NOV/1755

Leningrad. Glavnaya geofizicheskaya observatoriya

Voprosy fiziki prizemnogo sloya vozdukh (Problems in the Physics of the Near-Surface Air Layer) Leningrad, Gidrometeoizdat, 1958, 188 pp (Series: Ita: Trudy, vyp. 77) 1,500 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby

Ed. (title page): D.L. Leykhtman, Doctor of Physical and Mathematical Sciences; Ed. (inside book): Yu.V. Vlasova; Tech. Ed.: A.N. Sergeev

PURPOSE: This collection of articles is intended for scientists interested in the processes that take place in the boundary layer of the atmosphere.

COVERAGE: This publication contains 13 articles dealing with the physical processes of near-surface air masses. The research work was done in 1956. The basic work is related to the formation of hoarfrost and fog and to the effect of the condensation processes on thermal conditions. Some articles deal with the methods for measuring and computing the main meteorologic features of the near surface air masses, others with the problem of atmospheric turbulence. The articles are illustrated with charts, diagrams, and tables.

Broyko, A.G., and S.L. Kozhar. Determining the Accuracy of the Station Computation Method for the Coefficient of the Temperature Conductivity of Soil 77

Broyko, A.G., and N.A. Soboch'. The Accuracy of the Approximation Method in the Computation of the Heat Current in Soil 79

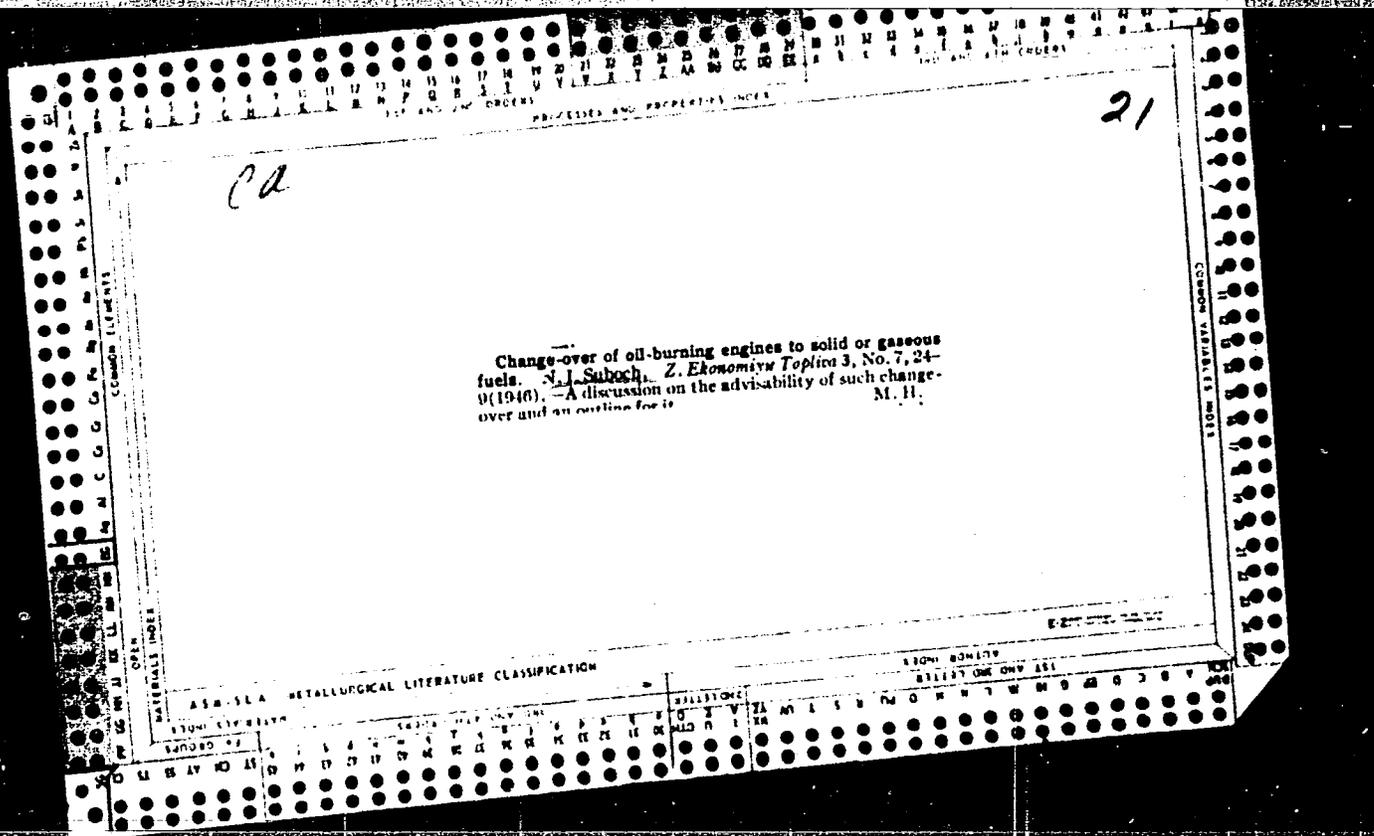
AVAILABILITY: Library of Congress

Card 4/8

101/gup
1-85-79

BROYDO, A.G.; SUBOCH', N.A.

Accuracy of a method for approximate calculation of heat flows
in the soil. Trudy GGO no.77:99-103 '58. (MIRA 12:4)
(Soil temperature)



PA-277

SUBOCH, N.I.

USSR/RR Transportation
Diesel Engines

Feb 1947

"Investigation of the Traction Characteristic of
DA Diesel Engines and Methods of Improving Them,"
N I Suboch, 4 pp

"Tekhnika Zheleznykh Dorog" Vol 6, No 2

Mathematical, theoretical discussion. Illustrated
with equations and graphs.

277

BUTYLOCHKIN, Mikhail Ivanovich; VLASOV, Viktor Mikhaylovich; ~~SUBCH, N.I.~~
red.; GORYUNOVA, L.K., red. izd-va; SHITS, V.P., tekhn. red.

[DM-54 diesel switcher for 750 mm gauge track] Dizel'nyi motovoz
DM-54 kolei 750 mm. Moskva, Goslesbumizdat, 1958. 104 p.
(Diesel locomotives) (MIRA 11:9)

SUBOCH, N. I.

SOV-118-58-7-7/20

AUTHOR:

None Given

TITLE:

A Scientific-Technical Conference on Questions Regarding the Mechanization of the Lumber Industry (Nauchno-tekhnicheskaya konferentsiya po voprosam mekhanizatsii v lesnoy promyshlennosti)

PERIODICAL:

Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958. Nr 7. p 19, (USSR)

ABSTRACT:

In May 1958, the Moskovskiy lesotekhnicheskii institut (the Moscow Institute of Forest Engineering) called a scientific conference. Attending were approximately 300 persons, among them representatives from the Gor'kovskiy (Gor'kiy), Kalininskiy (Kalinin), Kirovskiy (Kirov), Komi, Permskiy (Perm'), Tyumenskii (Tyumen') and Moskovskiy (Moscow) sovnarkhozes. Also attending were delegates from big lumber enterprises, lumber mills, furniture factories; the Gosudarstvennyy nauchno-tekhnicheskii komitet Soveta Ministrov SSSR (State Scientific Technical Committee of the USSR Council of Ministers), the USSR Gosplan, the TsNIIIE, the TsNIIICOD, the Giprolesprom and from other organizations. The Member-Correspondent of the VASKhNIL, N.P. Anushin reported on the future development of the Soviet lumber industry (1959 to 1965). The Chief Engineer of the Krestetskiy-lespromkhoz TsNIIIE (the Kresttsy Lespromkhoz) reported on a semi-automatic conveyer line introduced at

Card 1/3

SOV-118-58-7-7/27

A Scientific-Technical Conference on Questions Regarding the Mechanization
of the Lumber Industry

Tselebrovskiy - "Mechanization and Automation of Production Pro-
cesses at the Raw Material Exchange Center of the Omutninsk
House Construction Combine".

1. Lumber industry--USSR

Card 3/3

PAVLOVA, K.K.; SUBOCH, V.V.

Evaluation of base flow on swampy drainage areas. Trudy GGI
no.122:120-130 '65. (MIRA 18:9)

SUBOCHEV, I., inzh.

Automatic block system of the protection of the high-voltage
electric motor at the No. 1 flour mill in Vladivostok.
Muk.-elev. prom. 26 no. 11:18-19 N '60. (MIRA 13:11)

1. Vladivostokskaya mel'nitsa No. 1.
(Electric motors--Safety measures)

BATALOV, A., master-povar; CHEPIGA, B., master-povar; SHKONDIN, I., master-povar; SUBOCHEV, M., master-povar; RUBIN, G., master-povar; KOROTUN, A., inzh.-tekhnolog; TRAVIN, V.; KOBETS, N.

We shall respond to the appeal. Obschestv.pit. no.11:25 N '60.
(MIRA 14:3)

1. Zaveduyushchiy proizvodstvom restorana "Moskovskiy," Rostov-na-Donu (for Batalov).
 2. Zaveduyushchiy proizvodstvom kafe-konditerskoy "Zolotoy kolos," Rostov-na-Donu (for Chepiga).
 3. Zaveduyushchiy proizvodstvom restorana "Vostok," g.Shakhty (for Shkondin).
 4. Zaveduyushchiy proizvodstvom restorana "Rostov," Rostov-na-Donu (for Subochev).
 5. Zaveduyushchiy proizvodstvom restorana "Don," Rostov-na-Donu (for Rubin).
 6. Zaveduyushchiy konditerskim proizvodstvom kafe-konditerskoy "Zolotoy kolos," Rostov-na-Donu (for Korotun).
 7. Zaveduyushchiy proizvodstvom restorana "Yuzhnyy," Novocherkassk (for Travin).
 8. Zaveduyushchiy proizvodstvom restorana "Volna," Taganrog (for Kobets).
- (Rostov Province--Restaurants, lunchrooms, etc.)

AUTHORS: Lozhkin, A. F., ~~Subocheva, N. L.~~ SOV/156-58-2-45/48

TITLE: Reduction Burning of the Chiatyry Manganese Ores by Means of Gases (Vosstanovitel'nyy obzhig chiaturskoy margantsevoy rudy s pomoshch'yu gazov)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 2, pp. 381 - 384 (USSR)

ABSTRACT: For the production of artificial manganese dioxide (iskusstvennaya dvuokis' margantsa = IDM) oxidized manganese ores are subjected to a reduction burning in periodically fed furnaces. Usually solid fuel (coke, coal) is used as reducing agent. The reduction of pyrolusite aims at the formation of compounds which are easily soluble in sulfuric acid. In order to intensify this phase of operation and to establish a continuous process burning tests of the ore were carried out by means of solid fuel, hydrogen and generator gas. The results may be of interest for plants disposing of gas - reduction - apparatus. Table 1 shows the analysis of manganese ore of different fractions, figures 1-3 illustrate the results of the burning tests. The data of figure 1 give

Card 1/4

Reduction Burning of the Chiatury Manganese Ores by SOV/156-58-2-45/48
Means of Gases

evidence of the important role of the volatile coal components in the reduction process. At 500 - 600° a relatively calm precipitation of the volatile substances in a nitrogen atmosphere takes place. In this connection hydrogen, methane and other hydrocarbons have time enough to enter interaction with pyrolusite. Above 600° a violent precipitation of the volatile substances from the coal takes place. In some cases they have no time to enter the mentioned interaction. This fact probably explains the smaller degree of reduction in the range of from 600 - 800° (Fig 1). An increase of reduction in the range of from 800 - 1000° is explained by the acceleration of the reduction process. Figures 2 and 3 show that the degree of reduction caused by hydrogen increases with the increase of temperature, with the concentration of hydrogen and with the duration of the action. Table 2 shows results of experiments with ore picked out according to fractions graded with a 1 mm interval. They agree with the rules of diffusion kinetics. The following conclusions may be drawn from table 3: 1) At a temperature of 700° in the reaction zone and in the case of a duration

Card 2/4

Reduction Burning of the Chiatury Manganese Ores by
Means of Gases

SOV/156-58-2-45/48

of the processing of approximately 2 hours a small excess of the reducing gas guarantees a high degree of reduction of pyrolusite of the 1-2 mm fraction. The introduction of a burning process into a mobile layer under a counter flow of ore and gas makes possible to reduce the burning time by 3-4 times as compared to the periodical feeding of the furnace. It establishes favorable conditions for the mechanization and automation of this phase of operation. There are 4 figures, 3 tables, and 3 references, 2 of which are Soviet.

ASSOCIATION: Kafedra tekhnologii neorganicheskikh veshchestv Permskogo gosudarstvennogo universiteta (Chair for the Technology of Inorganic Substances of the Perm' State University)

SUBMITTED: December 13, 1957

Card 3/4

Reduction Burning of the Chiatary Manganese Ores by
Means of Gaues

SOV/156-58-2-45/48

Card 4/4

Reducing Burning of Pyrolusite by Means of Gases
in a Movable Layer

SOV/153-2-4-32/32

experiments. Table 1 shows the technical analysis of the ore of Chiatura, table 2 shows the reduction results according to layers. It can be concluded from table 2 that the increase of the linear gas speed from 0.7 to 4.2 m/min causes no noticeable variation of the reduction degree in the first layers. The reduction rate of pyrolusite, however, increases considerably with the linear acceleration of the gas current. This can be used for increasing the capacity of the apparatus (Fig 1). It may be assumed that under stationary conditions the layer extension with a constant reducing degree is numerically equal to the rate of ore advance in a movable layer. If a direct dependence of the height of a layer with a prescribed reduction degree on the burning time is assumed, the shifting rate of this layer can be determined from the relation

$$U = \frac{H}{\tau} \quad (4); \quad U = \text{height of an immovable layer in cm, } \tau =$$

burning time in minutes. In order to examine these data, a device (Fig 2) was set up by which corresponding results could be obtained (5), (6). Table 3 shows results of similar experi-

Card 2/3

Reducing Burning of Pyrolusite by Means of Gases
in a Movable Layer

S07/153-2-4-32/32

ments with generator gas. Hence it may be concluded that the reduction degree of pyrolusite increases with an increase in the coefficient of gas supply (6) (Experiments 1-3). In order to attain a degree of 90-95% of the reduction, a small excess of reducing gas is necessary as compared with the stoichiometrical one. It can be maintained that the reduction period with this method takes only $1/3$ to $1/4$ of the time used in a hearth furnace with solid fuel as reducing substance. Intensification of the usual process and establishment of favorable conditions for its mechanization and automation are rendered possible by the method suggested. L. S. Buloshnikov and M. I. Yakovleva cooperated in the experiments. There are 2 figures, 3 tables, and 7 Soviet references.

ASSOCIATION: Permskiy gosudarstvennyy universitet; Kafedra tekhnologii neorganicheskikh veshchestv (Perm' State University; Chair of Technology of Inorganic Substances)

SUBMITTED: March 25, 1958

Card 3/3

LOZHKIN, A.F.; PECHKOVSKIY, V.V.; SUBOCHEVA, N.L.

Effect of additives of some potassium compounds on the reduction
process of barites. Uch. zap. Perm. gos. un. 17 no.1:55-60 '60.
(MIRA 14:11)

(Barite)

(Potassium compounds)

LOZHKIN, A.F.; PECHKOVSKIY, V.V.; SUBOCHEVA, N.L.

Formation of acid-soluble barium compounds in the reduction
roasting of barite. Izv. vys. ucheb. zav.; khim. i khim.
tekh. 4 no. 2:242-246 '61. (MIRA 14:5)

1. Permskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
Kafedra tekhnologii neorganicheskikh veshchestv.
(Barium salts) (Barite)

LOZHKIN, A.F.; PECHKOVSKIY, V.V.; SUBOCHEVA, N.L.

Reduction firing of granulated barite concentrates. Izv.vys.
ucheb.zav; khim.i khim.tekh. 4 no.5:832-836 '61. (MIRA 14:11)

1. Permskiy gosudarstvennyy universitet, kafedra tekhnologii
neorganicheskikh veshchestv.
(Barite)

SUBORA, L.V.

~~_____~~ portable electrocardiograph. Med.prom. 11 no.6:58-59 Je '57.
(MLRA 10:9)

1. Glavnoye upravleniye mediko-instrumental'noy promyshlennosti
(ELECTROCARDIOGRAPHY)

PANCHENKO, S.M.; SUBORA, L.V.; KURAKOVA, Ye.I.; TITOVA, V.V. (Moskva)

Electrode paste in electrocardiography. Klin. sd. 36 no.1:144-147
Ja '58. (MIRA 11:3)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta meditsinskogo
instrumentariya i oborudovaniya.

(ELECTROCARDIOGRAPHY
electrode pastes (Rus)

SUBOROV, I.M.

Apparatus for the X-ray examination of metallic parts. Zav. lab.
26 no.5:624 '60. (MIRA 13:7)
(X rays--Equipment and supplies)

SUBJECT : . 1.

USSR/ Biology - Botany

Card 1/1 : Pub. 123 -- 13/13

Authors : Suborov, N. I.

Title : New monograph on Geobotany

Periodical : Vest. AN Kaz. SSR, 11/2 95-100, Feb 1954

Abstract : A review is made of a monograph, "Geobotany", by B. A. Bykov, 1953, published by the Academy of Sciences of the Kazakh SSR, at Alma-Ata. The book deals with botany from the viewpoint of geobiology and is found to contain information of value.

Institution :

Submitted :

SUBOROV, N. I.

Problems of organic evolution in the modern study of planets. Trudy
Sekt. astrobot. AN Kazakh. SSR 5:118-125 '57. (MLRA 10:6)
(Life on other planets)

SUBOROV, N.I., kandidat biologicheskikh nauk.

Conference on the problem of foreseeing the conditions of life on
other planets. Vest. AN Kazakh. SSR 13 no.2:63-70 F '57.
(Life on other planets) (MLBA 10:6)

SOKOLOVA, L.V.; KOVYLKINA, N.F.; SUBOROV, N.N.

Production of Δ^1 -dehydrocortisone from dihydrocortisone
acetate. Med. prom. 15 no.6:15-17 Je '61. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsev-
ticheskiy institut imeni S. Ordzhonikidze.
(PREGNADIENETRIONE)

KRASNYKH, I.G.; ZHEREBCHENKO, P.G.; MURASHOVA, V.S.; SUBOROV, N.N.;
SOROKINA, N.P.

Effect of combined application of 5-metoxytryptamine and mercamine on
radiation protection. Radiobiologia 2 no.2:298-303 '62.

(MIRA 15:4)

(RADIATION PROTECTION)

MOROZOVSKAYA, L.M.; YERSHOVA, L.I.; SUBOROV, N.N.

Synthesis of L-3,5,3'-triiodthyronine. Med. prom. 16 no.1:10-16
Ja '62. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevtichskiy
institut imeni Ordzhonikidze.
(THYRONINE)

BELOGORSKAYA, N.I.; BLUDOV, M.I.; GALANIN, D.D.; YEVIOPIN, G.P.;
POKROVSKIY, A.A.; POPOV, P.I.; ZVORYKIN, B.S.; IVANOV, S.I.;
KRAUKLIS, V.V.; MINCHENKOV, Ye.Ya.; PERISHKIN, A.V.; REZNIKOV, L.I.;
SOKOLOV, I.I.; SUBOROV, N.P.; YUS'KOVICH, V.F.

Evgenii Nikolaevich; obituary. Fiz.v shkole 22 no.1:111 Ja-F
'62. (MIRA 15:3)

(Goriachkin, Evgenii Nikolaevich, 1895-1961)

SUBOROV, N.V.; SOKOLOVA, L.V.; RYZHKOVA, V.M.; ZAYKINA, D.M.

Microbiological deacetylation of corticosteroid 21-acetates.
Dokl.AN SSSR 132 no.6:1325-1326 Je '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut im. S.Ordzhonikidze. Predstavleno akademikom M.M.
Shemyakinym.

(Corticosteroids)

USSR/Forestry - Forest Cultures.

K-5

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20164

Author : Suborov, V.I.

Inst : Bryansk Forestry Institute.

Title : The Constructing of Pure Scotch Pine Cultures Set Up at Different Sapling Planting Densities.

Orig Pub : Sb. aspirantsk. rabot. Bryanskiy lesokhoz. in-t, 1957, No 1, 61-80

Abstract : At the Buzuluksk pine forest on 12 experimental areas in pure pine cultures (6700-1000 thousand trees per 1 hectare) and natural plantings of 9, 13 and 43 years of age, a study was made of self pruning, tree distribution according to classes of thickness and height, and the qualitative features of the plantings. The structure of the tree canopy, the root systems, needles, live and dead

Card 1/2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20164

soil cover and sanitary state of the wood are characterized. Conclusions are made on the basis of this experimental material that when the density of the plantings increase with the setting up of the culture, the number of healthy trees rises, the trunk diameters height and volume are reduced, the productivity of the tree stand in the first age class is augmented, although leveling off in the 43rd year, the number of vertical roots and weight of the litter increases, the number of pests is lessened.

Card 2/2

END

- 54 -

IVANOV, N.A.; ZATSEPIN, N.N.; SUBOROV, Ye.A.; YEZHOV, N.M.

Magnitometer for measuring model magnetic anomalies.
Geofiz. prib. no.9165-74 '61. (MIRA 15:11)
(Magnetometer)

OSTROVERKHOV, G.Ye., prof.; SUBOROVA, T.A., doktor med. nauk; NIKOL'SKIY, A.D.

Direct extraperitoneal protohepatography and manometry through
the umbilical vein. Khirurgiia 40 no.5:84-91 My '64.

(MIRA 18:2)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii (zav.-
prof. G.Ye. Ostroverkhov) II Moskovskogo meditsinskogo instituta
imeni Pirogova i khirurgicheskoye otdeleniya nauchno-issledovatel'-
skogo rentgeno-radiologicheskogo instituta (zav. doktor med. nauk
T.A. Suvorova).

SUBOROVSKAYA, N.A., doktor tekhn.nauk; VOSKRESENSKAYA, M.M., kand.tekhn.
nauk; MEL'NIKOVA, T.A., inzh.

Determination of beryllium in minerals and ores containing beryllium.
Trudy Inst.gor.dela 6:63-66 '60. (MIRA 14:4)

(Beryllium--Analysis)

SUBOTIC, Nevenka, asistent (Beograd, Stjepana Radica 19)

Normative acts of economic organizations. Tehnika Jug 19 no. 2:
Suppl.:Organizacija rada 14 no. 2:379-382 F '64.

1. Faculty of Economics, University of Belgrade.

KUBOVIC, Milan; SUBOTIC, Radovan

Drug therapy of malignant tumors. Radovi med. fak., Zagrebu 7
no.1:35-39 '59.
(ANTINEOPLASTIC AGENTS ther.)

SUBOTIC, Radovan, dr.

Epistaxis. Lijec. vjes., Zagreb 82 no.1:35-40 '60.

1. Iz Klinike za bolesti uba, nosa i grla Medicinskog fakulteta
Sveucilista u Zagrebu.
(EPISTAXIS)

SUBOTIC, Radovan

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: Dr.

Affiliation: /not given/

Source: Zagreb, Farmaceutski glasnik, No 6, June 1961, pp 227-228.

Data: Book Review: "Technique and Practice of Hearing Aids," by Jacques Dehaussy (French).

PRAZIC, Mihaljo, dr.; SUBOTIC, Radovan, dr.

Toxic hearing disorders and lesions of the vestibular apparatus during streptomycin therapy. Liječn. vjesn. 83 no.9:889-898 '61.

1. Iz Klinike za uho, nos i grlo Medicinskog fakulteta Sveucilista u Zagrebu.

(STREPTOMYCIN toxicol) (DEAFNESS etiol)
(VESTIBULAR APPARATUS pharmacol)

SUBOTIC, R., dr.

The importance of early diagnosis of hearing conditions in deaf children and basic aspects of rehabilitation. Med. glas. 16 no.10/12:426-430 Q-D '62.

1. Otorinolaringoloska klinika Medicinskog fakulteta Sveucilista u Zagrebu (Predstojnik: prof. dr. B. Gusic).
(HEARING TESTS)

PRAZIC, M.; SALAJ, B.; SUBOTIC, R.; GREGURIC, M.

Audiologic analysis of conditions in a textile mill. Arh.
hig. rada. 14:207-221 '63.

1. Audioloski centar Otorinolaringoloske klinike Medicinskog
fakuleta u Zagrebu.

GUSTIC, B., SUKOTIC, R.

Working capacity of patients following mutilating neck surgery
for cancer and the role of the community for their future. Ark.
 Hig. rada 14 no.2:111-118 '63.

1. Otorinolaringoloska klinika Medicinskog fakulteta Sveucilista
Zagreb.

PRAZIC, Mihajlo, prof. dr.; SALAJ, Boris, dr.; SUBOTIC, Radovan, dr.

Contribution to toxic effect of streptomycin preparation on hearing and vestibular apparatus. Med. Glas. 18 no.11:353-358 N '64

1. Audioloski centar Otorinolaringoloske klinike Medicinskog fakulteta u Zagrebu (Predstojnik: prof. dr. B. Gusic).

RUSOVIC, Milan, dr.; SEBOTIC, Radovan, dr.

Our experience with endoxan in the treatment of otorhino-
laryngological tumors. Hjec. vjem. 86 no.12:1531-1535
D ' 64.

1. Iz Zavoda za radioterapiju i onkologiju i Klinike za bolesti,
uha, grla i nosa Medicinskog fakulteta u Zagrebu.

PRAZIC, Mihajlo, dr.; GREGURIC, Miroslav, ing.; SALAJ, Boris, dr.;
SUBOTIC, Radovan, dr.

Individual protection against damaging effect of industrial
noise. Lijecn. vjesn. 87 no.4:409-418 Ap '65.

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"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720006-1

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